The Raleigh Amateur Radio Society's

EXCITER

July 2007 Issue No. 436

LOOK INSIDE FOR DETAILS:

- The RARS General Meeting is the 1st Tuesday of each month.
- The RARS net meets every night @ 8 pm on 146.64.
- The RARS Technical and Trader's net is Saturdays @ 8:30 pm or following the RARS net.
- RARS meets for a monthly dinner on the 2nd Tuesday of each month.

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House Bill 1340 Ratified

Learn more about what House Bill 1340 means for amateur radio operators at this month's general RARS meeting. To hear the story behind the bill, check out page 7.

GENERAL ASSEMBLY OF NORTH CAROLINA
SESSION 2007 07 JUN 26 PM 4:15

S.L. 2007-147

HOUSE BILL 1340
RATIFIED BILL

AN ACT TO RECOGNIZE THE VALUE OF AMATEUR RADIO COMMUNICATIONS BY REQUIRING CITY AND COUNTY ORDINANCES REGULATING ANTENNAS TO REASONABLY ACCOMMODATE AMATEUR RADIO COMMUNICATIONS.

The General Assembly of North Carolina enacts:

SECTION 1. Article 19 of Chapter 160A of the General Statutes is amended by adding a new section to read:

"**§ 160A-383.3. Reasonable accommodation of amateur radio antennas.**

A city ordinance based on health, safety, or aesthetic considerations that regulates the placement, screening, or height of the antennas or support structures of amateur radio operators must reasonably accommodate amateur radio communications and must represent the minimum practicable regulation necessary to accomplish the purpose of the city. A city may not restrict antennas or antenna support structures of amateur radio operators to heights of 90 feet or lower unless the restriction is necessary to achieve a clearly defined health, safety, or aesthetic objective of the city."

SECTION 2. Article 18 of Chapter 153A of the General Statutes is amended by adding a new section to read:

"**§ 153A-341.2. Reasonable accommodation of amateur radio antennas.**

A county ordinance based on health, safety, or aesthetic considerations that regulates the placement, screening, or height of the antennas or support structures of amateur radio operators must reasonably accommodate amateur radio communications and must represent the minimum practicable regulation necessary to accomplish the purpose of the county. A county may not restrict antennas or antenna support structures of amateur radio operators to heights of 90 feet or lower unless the restriction is necessary to achieve a clearly defined health, safety, or aesthetic objective of the county."

SECTION 3. This act becomes effective October 1, 2007.

In the General Assembly read three times and ratified this the 26th day of June, 2007.

RARS Officers

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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the Amateur Radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic need; to educate members in radio technique; and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Due for regular licensed amateurs are $18 per year (from July 1 through June 30). Additional immediate family members pay $5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are $12 per year. Dues for non-licensed associate members are $9 per year.

Applications for membership may be obtained from the treasurer or the RARS website (RARS.org).

The *Exciter*

The *Exciter* is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The *Exciter* welcomes articles, advertising, and other contributions. To submit a piece to the newsletter, please contact the Editor.

The views expressed in the *Exciter* are those of the individual authors and do not necessarily reflect the views of the Editor or RARS. The Editor reserves the right to edit any and all pieces.

Editor:
Courtney Enzor
KI4HOS
courtney_enzor@yahoo.com

Time to Renew Those Memberships!

Please help us continue to provide quality programs, activities, and events for our club members. One of the ways we do this is through the RARS annual dues. The membership year is July 1-June 30, so it's time for renewals!

There are a number of ways to pay your dues.

- Pay at a RARS meeting.
- Mail your dues to the RARS Treasurer at the following address:
  Greg Seamster
  1405 Leanne Court
  Raleigh, NC 27606
- Pay online at www.rars.org. Online payments are made via PayPal to Raleigh_ARS@earthlink.net. If there are no data changes to your membership (address, rate, etc.), you do not need to fill out a renewal form.

Dues	
Regular	$18
Reduced (under 12 or over 60)	$12
Associate (not licensed)	$9
Each additional family member	$5

Thanks! We couldn't do it without you.

VE Testing

The RARS VEs will accept walk-in testing at the February, May, August, and November RARS meetings; the RARSfest in April; the Cary Swapfest in July; the JARSfest in November; and following RARS license classes.

Please bring a photo ID, your current license, a copy of your current license, and any CSCEs you have for credit. Visit www.rars.org for more information.

RARS General Meeting

Date: First Tuesday of each month

Location: Forest Hills Baptist Church
201 Dixie Trail
Raleigh, NC 27607

Time: People begin arriving at 7 pm.
The meeting officially starts at 7:30 pm.

RARS Monthly Dinner

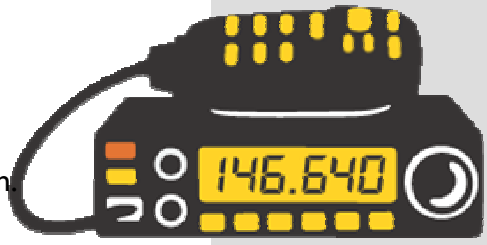
Join us on the 2nd Tuesday of each month for the RARS dinner. It's open to everyone: RARS members, non-members, friends, and family — feel free to bring your little ones!

Golden Corral @ 6129 Glenwood Avenue in Raleigh. Dinner begins at 6:30 pm.

RARS Repeaters in Raleigh

145.13 (82.5 PL)
146.64
444.525 (82.5 PL)

Join us for the nightly RARS net @ 8 pm on the 146.64. All hams holding a Technician class license or higher are invited to check-in. We welcome both RARS and non-RARS members to the net.



Upcoming RARS Programs

July	Gerry Cohen N4GC presents newly ratified North Carolina House Bill 1340
August	Emergency Preparedness and Battery Backup with Johnnie Mayfield WA9SZL
September	Advanced SKYWARN Spotter Training

Technician Ham Radio Class

A class to prepare interested folks for the Technician class license (entry level) will be held this summer, taught by instructors from RARS and hosted by First Alliance Church in Raleigh. This three-part class will prepare participants for the FCC exam. The exam will be administered at the end of the last class session. The class is open to the public.

Dates: Saturday, July 14, 9am — noon
Saturday, July 28, 9am — noon
Saturday, August 11, 9am — noon; exam at 1pm

Place: First Alliance Church
4400 Buffaloe Road
Raleigh, NC

Cost: $25 for the class (includes manual) and $14 exam fee.

All participation is by pre-registration. To register, please contact RARS Education Director Virginia Enzor NC4VA at nc4va@nc.rr.com by Wednesday, July 11.

President's Corner

Column by Selene Montgomery KG4RMT
RARS President

Events of the past month included the RARSfest Workers' Picnic. The club is very thankful for the many hours that members gave to ensure the hamfest's success. RARSfest 2008 will be on Saturday, March 29, 2008 – please note the change to a Saturday hamfest.

Summer is here and you may find yourself with some extra time. Many of the club events are open to everyone, and some make great family outings. Visit the website (www.rars.org) often to keep abreast of RARS news.

RARS is sponsoring a Technician class this summer. Pass the information on to those who may be interested, and again, check the website for all of the facts.

Remember that our club meetings are the first Tuesday of the month. There are great programs planned, including one in July on the North Carolina Antenna Bill to be presented by Gerry Cohen N4GC. Refreshments are available before the meeting, so there is time for socialization as well as information.

Monthly RARS dinners are another chance to meet others in the ham community while enjoying good food and conversation. Join us at the Golden Corral on Glenwood Avenue on the 2nd Tuesday of each month around 6:30 pm.

If you have any suggestions, concerns, or questions, I encourage you to contact any board member. Contact information is on the website under Officers/ Contacts or on the roster in the Members Only section. Officers' information is also listed in each *Exciter* (see page 2). RARS will continue to more forward only as the members nourish it with their participation and support.

Welcome New RARS Members!

Steve Bragg	KA9MVA	Gerry Cohen	N4GC
Tim Dassinger	KD4MBC	Paul Fredlin	KI4VVF
Raul Raiche	N1XI	Eric Weaver, Sr.	W3COP
Justin Pinnix	KI4WAF		

Hamfest Calendar

June 9	Hamfest Winston-Salem, NC
July 7	Firecracker Fest Salisbury, NC
July 21	Cary Swapfest Cary, NC
July 28	Western Carolina Hamfest Waynesville, NC
August 4	Hamfest Roanoke, VA
August 11	Hamfest Fayetteville, NC

Dates courtesy of *SERA Repeater Journal* and other sources. If you would like your even listed in the *Exciter*, please contact the Editor.

July Birthdays

James	KE4DRN	7/3
Will	KM4SZ	7/4
Bill	N9JLP	7/6
Cathy	KA3QPU	7/9
John	AI4RT	7/10
Jeff	KE4MEQ	7/13
Debbie	WD8EBI	7/13
Doug	AD4UL	7/14
Giff	KC4SAM	7/15
Al	AE4QV	7/16
Bob	K4RLC	7/19
John	KI4VVC	7/22
Ferdinand	AD4RC	7/25
Charles	WB4DCM	7/26
Glenn	KS4VA	7/27
William	K4CIA	7/28
Meme	KE4NGM	7/28
Dave	W4YDY	7/29
Don	N4TH	7/29

May 2007 RARS Net Reports

RARS Two Meter Traffic/Ragchew Net
Check-ins: 516
Traffic: 40/30
Minutes: 782
Sessions: 31

Special Interest Nets
Check-ins: 76
Minutes: 560
Sessions: 12

The Story Behind the Bill

Article by Bill Morrine N2COP,
Initiator of House Bill 1340

The genesis of the antenna bill evolved from discussions John Covington and I had when he was in his last term as SM. I noticed the increasing number of states passing such legislation (I think there were 18 states when we started discussing a bill; 22 had passed it when the bill was introduced, VT and OK became #23 and 24 while our bill was winding its way through, and NC will become state #25, or the halfway point for all 50 states). Also, I was personally getting annoyed with stories around the state of hams having to jump through a lot of hoops, some needlessly or prolonged, in order to put up antennas. I told John that even though NC didn't have an SGL at that time in 2005, I'd be willing to see about getting such legislation introduced.

I knew Ham Hicks KB4BR was still well connected politically and he graciously agreed to help. In 2006, the NC legislature formed a committee called the Joint Select Committee on Emergency Preparedness & Disaster Recovery. Both Sen. Julia Boseman and Rep. Danny McComas of New Hanover County (Wilmington) served on that special committee, as well as Brunswick County Emergency Manager Randy Thompson, who's been a staunch advocate of amateur radio. We thought we would capitalize on the goodwill that amateur radio generated following Hurricane Katrina, and Ham agreed to ask Julia about introducing a bill. Because 2006 was one of the even year short sessions where only budget related bills are discussed, a bill wasn't introduced in the 2006 session, but Ham kept lobbying for a bill. As the new SM, Tim Slay agreed to lend his support to what John Covington had initiated. Tim Slay even attended a Joint Select Committee meeting shortly after becoming SM, and Ham Hicks testified before the Joint Select Committee on behalf of a bill, even though one hadn't yet been introduced in the 2006 session.

Finally, in early 2007 with an odd year long session underway, Ham told me that Sen. Boseman was looking for a bill. I contacted Dan Henderson, N1ND, ARRL's Regulatory Manager, and asked his opinion as to which state had the best antenna bill. The answer came back that Virginia and Oregon had the two laws most favorable to amateur operators. After looking at both laws and discussing them both with Sen. Boseman, she thought the Oregon model with a 90 foot height range would have the better chance of passage. So the Oregon law was adapted and introduced in two versions: in the Senate as SB404 through Sen. Boseman, and in the House as HB1340 with Rep. McComas as the sponsor. Rep. Nelson Dollar of Cary also signed on as a co-sponsor of HB1340. Through a procedural matter, SB404 was introduced in the Senate as having application only in New Hanover County. Instead of trying to expand SB404 to apply statewide, both Sen. Boseman and Rep. McComas agreed that Rep. McComas' HB1340 bill should become the lead bill.

Ham Hicks went twice to Raleigh to testify before House and Senate committees. His tenure as the mayor of North Carolina's largest coastal city besieged by three major hurricanes that relied on ham radio for emergency communications carried great weight with legislators. As Dan Henderson from ARRL HQ told me, "Never have we seen a state pass an antenna bill so quickly in its first session of introduction and with such unanimity. Such bills usually take three to four years to pass." The votes for passage were 115-0 in the House and 49-0 in the Senate.

A reminder: the bill applies only to municipal ordinances, such as county or city zoning regulations. Hams who live in subdivisions with Covenants, Codes & Restrictions (CC&Rs) still need to comply with such rules if they prohibit antennas. ARRL legal counsel has determined that only federal law will supersede CC&Rs, and bills have been introduced in past sessions of Congress to address CC&Rs but none have passed yet. Meanwhile, North Carolina hams who live in areas only regulated by municipal ordinances will soon enjoy the ability to erect antennas up to 90 feet with "reasonable accommodation," meaning the burden of proof shifts to the municipality instead of falling on the ham radio operator.

Finally, every ham is encourage to drop a note of appreciation to their legislators for passing this measure. Happy operating!

RARSFest Workers' Party

June marked the third annual RARSFest Workers' Party. This event is to thank all the people who helped with RARSFest. The hamfest requires a lot of manpower and we thank everyone who contributed time and effort. Here are some pictures from the Worker's Party. Pictures and captions by Hank Montgomery K4HM, RARS Hamfest Chair.

Left: Ferdinand Lundberg (pitching horseshoe) with Bob Wells. Ferdinand was the undefeated horseshoe champ this year.

Below: Socializing before meal time. Left to right: Ashby Spratley (behind post), Phil Jones, Chip Mack, Phil's girlfriend, and Larry Holt.

Above: Mike Thurman and Rosie. Right: Another pre-meal group. Left to right: Mark Freeze and wife, Neal Fischer, and Louise Mack (the FOX at 2007 RARSFest).

Above: Preparing to serve dinner. If you look close you can see just a bit of the playground through the columns on the left side of the picture. A lot of the kids stayed down there most of the day.

Above: Johnny Mayfield set up a 10m station and drew an audience. Watching are Larry Holt, Charles Swindell, and Ashby Spratley

Public Service Opportunity: Fourth of July Firecracker 100K Bike Event

Benefiting the MS Society, this annual event begins and ends in Cary, NC. Hams are needed to provide communications support for event coordinators, rest stops, and Supply & Gear (SAG) vehicles. Modest assistance is being offered to offset gas expenses for those driving SAG vehicles. A coordinator for the hams is also needed — it's an easy job!

There will be good food and lots of fun with this event. And don't worry — you'll be done in time for that Fourth of July picnic and fireworks show!

For more information or to volunteer, please contact Dick KD4ISC (kd4isc@arrl.net).

Board Meeting - May 2007

Minutes of the RARS Board of Directors Meeting for May 2007

The Board of Directors meeting of the Raleigh Amateur Radio Society was conducted on May 15, 2007 at the Forest Hills Baptist Church located on Dixie Trail.

Attendance: Board – Selene Montgomery KG4RMT, Hank Montgomery K4HM, Chuck Littlewood K4HF, Charlie Swindell WB4DCM, Rick Kelly-Crapse KB4TKQ, Greg Seamster KE4PAX, Gary Pearce KN4AQ, Rod Thomson KI4LSN and Dick Orander KD4ISC. Others: Ken McEwen KI4OTO.

President Selene Montgomery KG4RMT called the meeting to order at 7:30 pm.

On a motion from Chuck K4HF and a second from Rick KB4TKQ, the April Board meeting minutes were approved as corrected.

Officers' Reports

President's report – Selene KG4RMT reminded members that the RARSfest workers' party will take place on June 16. Field Day will be on the weekend of June 23 – 24.

Vice President's report – Rick KB4TKQ provided the following information:

- Donations for meeting refreshments are still helping to offset costs to the club.
- The idea of bringing back the RARS picnic may be a way to increase club participation.
- The June program will be a presentation on RARS Field Day activities by Neal Fisher N4HAF.

Treasurer's report – Greg KE4PAX reported the following:

- There are 255 club members.
- The club's financial review meeting was held on April 24. Chuck K4HF, Hank K4HM and Charlie WB4DCM assisted Greg with the review.

Committee Reports

Education – The group was advised that a location is being finalized for the next Technician classes. Don Sharer AI4OZ will be starting a radio class at the Red Cross building in Smithfield. Additional details are not yet known.

Exciter – Selene KG4RMT advised Thursday, May 17 is the deadline for the June Exciter. As always, articles are needed for our newsletter.

Webmaster – Selene KG4RMT reported that Steve Worley KB4HDQ has been busy with work and travel but is working to update the club webpage.

Hamfest – Hank K4HM advised that he still needs reports from the various committees of those who worked at RARSfest. This is needed to insure all are invited to the workers' party which is scheduled for June 16. Next year's RARSfest will take place on Saturday, March 29. The change to a Saturday date was needed due to the increased cost of the fairgrounds facility for our setup day.

Public Service – Dick KD4ISC advised that he was approached by a member at the last general meeting and was questioned about providing communications support for next year's Neuse River Cleanup. This year's efforts to coordinate volunteers scattered over 60 miles of river using cell

Board Meeting - May 2007

phones left much to be desired. It was suggested that this member keep us updated with the date and other details once they are known. The Tour de Cure will take place on the weekend of June 9 – 10 and is being coordinated by the Carolina Helping Hams.

ARRL Liaison – Chuck K4HF reported the ARRL has withdrawn its request to the FCC to coordinate frequencies by bandwidth.

At-Large – Charlie WB4DCM reported he had received a solicitation from the ARRL requesting a donation for training. He asked the Board's opinion on providing a donation to this education fund from the club. After a brief discussion it was determined that response to this solicitation should be left up to the individual club members.

Old Business

Greg KE4PAX presented the proposed budget for fiscal year 2007-2008. There were only minor changes from what the Board reviewed at the last meeting. It was noted that there were no questions, requests or comments made by the general membership concerning the budget. Rick KB4TKQ made a motion to accept the budget as presented. A second was provided by Charlie WB4DCM and the vote carried in favor of the motion. The budget will be presented to the general membership during the June meeting for their approval.

Gary KN4AQ commented that we should accept the donation of feedline offered by Jim Davis KG4ZWS. He will contact Jim to coordinate a pick up time.

New Business

The group followed up on an informal discussion to begin the Board meetings at an earlier time. Rick KB4TKQ made a motion to change the start time of the Board meetings to 7 pm. Chuck K4HF provided a second and the vote carried in favor of the motion.

Rod KI4LSN asked that the club consider sponsoring some workshop activities that might be helpful to new hams. An antenna building party or lecture held on a Saturday, once or twice a year, are examples of possible activities. It was suggested that this idea be mentioned on the email list and in the Exciter to see who may be interested in participating and more importantly organizing an event.

General Comments

Greg KE4PAX announced that membership renewal time is approaching. He will be sending out notices in the near future.

Hank K4HM introduced Ken McEwen KI4OTO. He then reported that RARSfest pages on our website are undergoing some renovations. The subscription to RARSfest news via the webpage has turned out to be very popular.

Meeting adjourned at 8:25 pm.

Submitted by Dick Orander KD4ISC
RARS Secretary

General Meeting - June 2007

Minutes of the RARS General Meeting for June 2007

The general meeting of the Raleigh Amateur Radio Society was conducted on June 5, 2007 at the Forest Hills Baptist Church located on Dixie Trail.

President Selene Montgomery KG4RMT called the meeting to order at 7:30 pm.

Selene welcomed Alan Pitegoff AB4OZ back to the meetings after recovering from a recent hospitalization.

The following guests were recognized and welcomed to the meeting: Paul Fredlin KI4VVF, Steve Kroeger (awaiting call sign) and Steve Bragg KA9MVA.

Greg Seamster KE4PAX provided the Treasurer's report. There are 259 RARS members. He reminded the group that it is membership renewal time and that dues can be paid in person, by mail or via the RARS website.

Announcements:

- The Board of Directors has voted to begin Board meetings at 7pm. All are invited to attend.
- Hamfests: June 9 – Winston Salem, July 7 – Salisbury, July16 – Cary.
- The next RARS dinner will be next Tuesday at 6:30pm at the Golden Corral on Glenwood Avenue. All are invited to attend.
- The RARSfest workers' party will be held on Saturday, June 16 at Crabtree Lake Park. Setup will begin at 1pm with dinner starting between 4 and 4:30 pm. The club is supplying the meat, drinks and paper products. Members are asked to bring a covered dish to share. Please RSVP to Hank Montgomery K4HM as soon as possible.

Virginia Enzor announced dates and a location for the next amateur radio technician class. These will be held on Saturday July 14, 18 and August 11 at the First Alliance Church located on Buffaloe Road in Raleigh. The VE session for the class will be held on the August 11 date. Flyers with additional details are available on the trader's table. She then announced that tonight's Skywarn net will feature Ron Humble from the NWS. His topic will be the impact of weather on history. The net will meet on the 146.88 repeater at 9:15pm.

Dick Orander KD4ISC announced the Tour de Cure will take place on the weekend of June 9 and 10. This bike event will leave Cary, overnight in the Oxford area and return to Cary the next day. The Carolina Helping Hams are coordinating this event and more information can be found at their website www.hampublicservice.org . The Fourth of July Firecracker 100K Bike Event will take place again this year. Hams have been asked to provide communications support for nearly 1000 cyclist as they pedal to raise money for the MS Society. Shadows, rest stop and SAG support is needed as well as a ham to coordinate the communications effort. Those interested should see Dick after the meeting or drop an email to kd4isc@arrl.net . The group was reminded to consider volunteering to

General Meeting - June 2007

support the MS150 bike ride in New Bern again this year. The event will be held the weekend of September 8 and 9. Dick then announced that Will Gwaltney KM4SZ was the latest student to complete NTS traffic training. The group offered a congratulatory round of applause.

Selene announced that a club DVD of last month's program, The 2006 ARDF Championships, was available for review. See her if you are interested.

Literature for the YLRL (Young Ladies Radio League) and the ARRL's 'Leap Into Ham Radio' information are available at the trader's table.

The group was reminded that the Jamboree On The Air will be held in October. More information will be coming in the near future.

Selene thanked the members for their donations to offset the expenses of our meeting refreshments.

Door prizes were won by: Don Kalinowski NJ2E, John Johnson (no call), Dennis Mason K4DAM, Rick Kelly-Crapse KB4TKQ and Ric Wright KI4PVC.

Treasurer Greg Seamster KE4PAX presented the 2007-2008 fiscal year budget for the membership's approval. After a brief review, Chuck Littlewood K4HF made a motion to accept the budget as presented. Jeff Wittich AC4ZO provided a second and the vote carried in favor of the motion.

The floor was given to Neal Fisher N4HAF and Chip Mack WB4ZVR who provided a video review of past RARS Field Day activities. They then discussed this year's event and followed up with a question and answer session. Everyone is invited and encouraged to participate in Field Day. Setup begins at 2pm on Friday, June 22 with contesting starting at 2pm on Saturday and running through 2pm on Sunday. A map to the Field Day location as well as other details can be found on the RARS webpage.

The group was asked if there were any problems with conducting the July meeting on the 3rd due to the July 4th holiday. None were expressed, so the meeting will remain on Tuesday, July 3.

Meeting adjourned at 8:38 pm.

Attendance: 51

Dick Orander KD4ISC
RARS Secretary

Amateur Radio Nets

The RARS Technical & Trader's net is held on Saturday evenings on the 146.64 after the 8 pm RARS net.

The VOIP Hurricane net is held Sundays at 00:00 UTC on the 146.775 repeater with a tone of 88.5 (IRLP node 4260). For information about activation details, go to www.voipwx.net.

Please join us on the **Carolina 440 net** every Monday night at 7:30 pm. This ragchew net utilizes the Carolina 440 UHF Link Repeater System. Comprised of the Raleigh, Down East, and Costal Wilmington link systems, there are currently 19 repeaters on the system, covering 21,168 square miles. For a list of these repeaters, please visit www.carolina440.net.

CAROLINA 440
UHF Link System
www.carolina440.net

If you would like your net information included in the *Exciter*, please contact the Editor.

The **PCTN (Piedmont Coastal Traffic Net)** meets every night at 9 pm on the 146.88. The purpose of the net is to handle/pass NTS formal messages. Amateur stations are encouraged to check-in and participate. The backup repeater is the 147.105 machine with a PL tone of 82.5.

Central Carolina SKYWARN

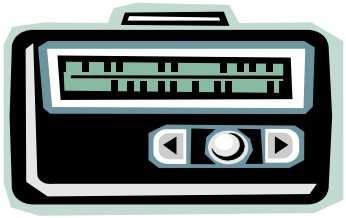
Please join us each Tuesday at 9:15 pm on the 146.88 repeater for the CCS net. On each net there are announcements, check-ins by county, and often a program or training spot. Check us out at www.centralcarolinaskywarn.net.

Upcoming CCS Information nets include:

July 10 — "Reader's Choice in Weather Books." Reviews and recommendations on meteorology books by NWS Lead Forecaster Rod Gonski.

July 17 — "NWS News & Updates" with Meteorologist-in-Charge Darin Figursky KC2IPY.

July 31—"Storm Ready" with Warning Coordination Meteorologist Jeff Orrock KI4KKX.



Join the **Tarheel Short Wave Listening (SWL) Special Interest Group (SIG) net** on Monday evenings @ 9 pm on 146.64. We discuss *all* areas of radio monitoring and welcome your logs! We also have a SWL/SIG meeting on the third Monday of the month in addition to our regular net.

The **Mercury Amateur Radio Association Southeast 2 Meter Net** meets at 9 pm every Sunday evening on the 145.13 repeater (tone 82.5). All stations are invited to participate in this net. MARA provides emergency communication support to The Church of Jesus Christ of Latter-day Saints. The purpose of this net is to assist ham radio operators in preparing to respond to emergencies, test their equipment, improve operating skills, pass traffic, and to provide those with a common interest an opportunity to meet.

MERCURY AMATEUR RADIO ASSOCIATION MARA

The **Wake County ARES net** meets Thursdays around 2115 on the 146.88 repeater. We provide discussion and training for the implementation and provision of Emergency Communications for our served agencies, such as the American Red Cross and the local and state Emergency Operations Center. Please join us. www.wakeares.org.

The RARS
Exciter

Raleigh Amateur Radio Society, Inc
PO Box 17124
Raleigh, North Carolina 27619

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